

WHAT IS CLAIMED IS:

1. An image recording apparatus for use in an inspection system which includes imaging means for imaging operations of manufacturing equipment in a production line, and inspection means arranged downstream from the manufacturing equipment to inspect products processed by the manufacturing equipment, comprising:

 temporary storage portion for temporarily storing image data from the imaging means;

 storage means; and

 control means for reading out any desired interval from the image data stored a prescribed time interval portion in the past in the temporary storage portion, and storing such read out interval in the storage means when a signal based on inspection results outputted from the inspection means is received.

2. The image recording apparatus of Claim 1, wherein the temporary storage portion stores image data in a manner related to the order in which such data was received, and wherein, in the case where image data of a prescribed time interval is stored, the image data stored at the beginning is rewritten to make it possible to temporarily preserve image data of a previous prescribed time interval portion and acquire any desired interval.

3. An image recording apparatus which makes it possible to read out field image data stored in a storage means and play back and output frame image data, comprising:

 frame creating means which carries out a prescribed supplemental process based on one field of image data stored in the storage means to create one frame of image data;

wherein, when at least the created frame image is outputted and displayed in a normal display region, the top end line and the bottom end line of the frame image are excluded from the display region.

4. An image recording system, comprising:

first imaging means for imaging operations of manufacturing equipment in a production line;

second imaging means arranged downstream from the manufacturing equipment for imaging articles processed by the manufacturing equipment;

inspection means for inspecting the processed articles based on image data outputted from the second imaging means; and

an image recording apparatus for acquiring data outputted from the first imaging means and the inspection means, wherein the image recording apparatus includes a temporary storage portion for temporarily storing image data received from the first imaging means, storage means, and control means for reading out any desired interval from the image data stored a prescribed time interval portion in the past in the temporary storage portion and storing such read out interval in the storage means when a signal based on inspection results outputted from the inspection means is received.